Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

		THOMES.	FUEL TYPE	[01/410/4100	INTENDED SERVICE	ECS & SPECIAL FEATURES 3
MODEL YEAR	ENGINE FAMILY	ENGINE SIZES (L)		PROCEDURE		
	7CEXH0540LBA	8.8	CNG	Diesel	MHDD	TBI, TC, CAC, ECM, OC, HO2S
2007			ENGINE I	MODELS / CODES (rated power, in hp)	
NGINE (L	-}			LG-320 / 8625;FR91	1036 (320)	
8.8				•		
				*		
*				•		· · · · · · · · · · · · · · · · · · ·
*				i (D. Johns Con	tion view 40 CER RG at	c=Title 40, Code of Federal Regulations, Section 86.ab

*=not applicable; GVWR=gross vehicle weight rating; 13 CCR xyz=Title 13, California Code of Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Federal Regulations, Section 86.abc; L=litler; hp=horsepower; kw=kilowart;
CNG/LNG=compressed/liquefied natural gas: LPG=liquefied petroleum gas; E85=85% ethanol fuel; MF=multi fuel a.k.a. BF=bi fuel; DF=dual fuel; FF=flexible fuel;

CNG/LNG=compressed/liquefied natural gas; LPG=liquefied petroleum gas; E85=85% einand ruer; MP=multi ruer al.K.a. BF=0i ruer, DF=-qual ruer, FF=-licule ruer, LPG=liquefied petroleum gas; E85=85% einand ruer; MP=multi ruer al.K.a. BF=0i ruer, DF=-qual ruer, FF=-licule ruer, LPG=liquefied, LPG=-licule ruer, LPG=-licule

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.1 (urban bus) or 13 CCR 1956.8 (other than urban bus); 2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, in g/bhp-hr, for this engine family. "Diesel" CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieuroperior of the compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieuroperior of the compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieuroperior of the compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieuroperior of the compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieuroperior of the compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieuroperior of the compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieuroperior of the compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieuroperior of the compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieuroperior of the compliance may have been demonstrated by the manufacturer as provided under the compliance may have been demonstrated by the manufacturer as provided under the compliance may have been demonstrated by the manufacturer as provided under the compliance may have been demonstrated by the manufacturer as provided under the compliance may have been demonstrated by the manufacturer as provided under the compliance may have been demonstrated by the manufacturer as provided under the compliance may have been demonstrated by the manufacturer as provided under the compliance may have been demonstrated by the manufacturer as provided under the compliance may have been demonstrated by the compliance may be a compliance may be a compliance of the compliance ma of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR 1956.1 or 13 CCR 1956.8 are in parentheses.)

engines, the 31D and 3211 1235							CO		PM		нсно	
	NMHC		NOx		NMHC+NOx					EURO	FTP	EURO
		EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO		
	FTP	EURU				- , -	15.5	15.5	0,01	0.01	*	
STD	0.14	0.14	*			<u> </u>	13.5	ļ		*	*	*
	· ·	•	1.45	1.45	1.4	1.4				 		
FEL		 		1.05	1.2	1.1	0.7	0,3	0.01	0.002		
CERT	0.00	0.00	1.24 1.05				19.375		0,015			•
NTE	0.21		2.175		2.1				and the dead or emission test rate:			
HIL				STD=standard or emission rest cap,								

g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; EURO=Euro III European Steady-State Cycle; NTE=Not-to-Exceed; STD=standard or emission test cap; gromp-rat-gravia per make noisepower-root, PTF-rederal restrictions, Control on European Steady-State Syste, MTE-root-Both State Syste, MTE-root-Both States of Noise Syste, MTE-root-Both States of Noise Syste, MTE-root-Both States of Noise States of Noise Syste, MTE-root-Both States of Noise States of

BE IT FURTHER RESOLVED: Certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: The listed engine models have been certified to the split engine family standards under 13 CCR 1956.8(b) [DIESEL] or (d) [OTTO] and the incorporated 40CFR 86.007-15(m)(9).

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels) and 13 CCR 2035 et seq. (emission control warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this

day of January 2007.

Appette Hebert, Chief

Mobile Source Operations Division